TEM, Incorporated

NIST-NVLAP TEM Air Sumples NIOSH-PAT PCM Fiber Count AIHA-AAR PCM Analyst

010238 010238

443 Duane Street, Glen Ellyn, Illinois 60137 Phone (630) 790-0880 Fax (630) 790-0882

March 29, 2000

Mr. Mike Henry Illinois Dept. of Natural Resources Waste Management and Research Center 928 South Spring St. Springfield, Illinois 62704

RE:

TEM Project 35979

Dear Mr. Henry:

On March 16, 2000, TEM, Incorporated received samples identified as IDNR-001 and IDNR-002 from the Illinois Department of Natural Resources which were logged in as TEM sample numbers 136569 and 136570.

The samples were analyzed according to the EPA/600/R-93/116 Test Method for the Determination of Asbestos in Bulk Building Material. Samples 136569 and 136570 were found to be fibrous and friable asbestos containing material.

We are returning samples IDNR-001 and IDNR-002 as requested. If you should have any questions or comments please feel free to contact us.

Sincerely,

TEM, Incorporated

Rebecca Frejek Senior Analyst

enclosures

BULK ASBESTOS SAMPLE EVALUATION POLARIZED LIGHT MICROSCOPY (PLM) TECHNIQUE

NVLAP LAB ID 101130-0

Company Name:

Illinois Dept. of Natural Resources

Contact .

Mike Henry

Address:

928 S. Spring Street

Springfield,

62704-

Client Project Ref:

Ref: IL Beach State Park

Project Location:

TEM Project:

35979

Analyzed by:

Rebecca Frejek

Date Analyzed:

3/16/00

Sample Information					Fibro	Non-Fibrous Materials			
Client Sample ID	TEM ID.	COLOR	ACM	Asbestos Fibers		Non-Asbestos Pibers		Filler	Comments
Description				Гуре	Percent	Турс	Percent	Binder	
IDNR-001	136569	Grey	Yes	Chrysotile	40-45	Cellulose	3-5	50-57	
Fibrous & Friable Material			Amosite	N/D	Glass	•	30-57		
IDNR-002	136570	Grey	Yes	Chrysotile	45-50	Cellulose	3-5	45-52	
Fibious & Frighte Material				Amosite	N/D	Glass	-	43-32	

Sumples were smalyzed following the precedures contained in the EPA Method 600/R-93/116, July 1993. This report applies only to samples tested.

SUM: The optical resolution of pointing light rule resolution that are visible. In nameles where very small fibers may be present, the asbestus fibers may be smaller than the resolution limit of a pointing light microscope. In these cases, the result of the PLM analysis is not conclusive where the sample is reported as non-asbestus. Samples that are expected to contain small libers (such as floor tile samples) and that are reported as non-asbestus by PLM abouilt be fauther an impedially transmission electron microscopy.

Key: ACM = Asbestos Containing Material as defined in USEPA NESHAP Regulation; TR = Trace; N/D = None Detected Page 1 of 1

Signature of Analyst

00-27-00

443 Duane Street Glen Blivn, IL 60137 Phone (630)790-0889 Fax (630)790-0882

BULK SAMPLES by PLM ANALYSIS

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CONTACT Mike Henry					TAT: 4MRS 6MRS 12MRS 24MRS 48MRS (72MRS) 10DAY8							
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